| Index | ٥f | Cla | ime |
|-------|----|------|-------|
| INNEX | nı | Lain | 11//: |



Application/Control No.

09/491,899

Examiner

Tony Mahmoudi

Applicant(s)/Patent under Reexamination

WELLS ET AL.

Art Unit

2165

| √ | Rejected |
|---|----------|
| = | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| Ļ | Restricted |

| N | Non-Elected |
|---|--------------|
| 1 | Interference |

| Α | Appeal |
|---|----------|
| 0 | Objected |

| Cla | aim | Date | | | | | | | | | 1 |
|-------|--|--|----------------------------|-------------|--|---|--|---------------------------------|----------|----------|---|
| | Γ | _ | | ıc | | | | 9 | | | 1 |
| Final | Original | \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | 6/29/04 | 2/23/05 | 9/6/05 | 2/14/06 | 90/8/9 | 11/14/06 | | | |
| | | | | - | - | | - | - | | | l |
| | 7 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | √ √ √ | √ √ √ | √ √ √ | √ √ √ | √ √ √ | √ √ √ | - | | l |
| | 3 | ./ | ·/ | ./ | ./ | ./ | ./ | ./ | | \vdash | |
| | A | ./ | _ | <u> </u> | - | <u> </u> | ľ | | | \vdash | ł |
| | 5 | \\ \f | 1 | J | J | 1 | V | J | _ | - | l |
| | 6 | Ť | √ √ | √ √ | √ √ | √ | √ √ | √ | | | l |
| | Z | V | | Ť | | Ť | | | | | 1 |
| | (8) | √ | √ | √ | √ | √ | √ √ √ | \ \ \ | | |] |
| | 9 | √ | √ | √ | √ | √ ✓ ✓ | √ | √ | | |] |
| | 10 | √ | ✓ | √ | √ | √ | √ | √ | | | |
| | 1 | √ | √ | √ | √ | _ | | | | | l |
| | 12 | √ | \ \ \ \ \ \ | くくくくく | ンシンシン | √ √ | √ √ | √ √ | | <u> </u> | 1 |
| | 2 3 5 6 8 9 10 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18 | √. | ✓ | | V | l√ | √ | √ | | <u> </u> | 1 |
| | 14 | ĺΛ | _ | بــا | <u> </u> | _ | | | _ | <u> </u> | |
| | 15 | ۷, | √ √ √ | √ √ √ | √ √ √ | <u> </u> | _ | L | | | ł |
| | 10 | 1 | 1 | Į√, | 1 | | | | | | ł |
| | 1000 | √ | ✓ | Ļ⊻ | -✓ | | | \vdash | | | ł |
| | 100 | √ | 1 | 1 | | - | | - | | | ł |
| | 200 | \ <u>\</u> | ✓ | √ | √ | | | | - | - | ł |
| | 24 | \ <u>\</u> | .1 | . [| | .1 | | | _ | | ł |
| | 200 | ./ | 1 | ./ | 1/ | ./ | | | | | ł |
| | 220 | ./ | ./ | -/ | 1 | ./ | | _ | | | ł |
| | 24) | ľ | \ \ \ \ \ \ | ンシンシンシン | マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 1 | 1 | ┢ | - | l |
| | 25 | - | 1 | 1 | 1 | 1 | J | 1 | | | 1 |
| | 26 | | Ĭ | Ĭ | Ţ | Ì | Ţ | V | | | 1 |
| | 27 | | Ė | V | V | V | V | V | | | 1 |
| | 28 | | | √ | V | V | \ \ \ \ \ \ \ \ \ | \ \ \ \ \ \ \ | | | 1 |
| | 29 | | | √ | √ | ✓ | √ | √ | | | |
| | 38 | | | √ | √ | √ | √ | | | | l |
| | 31 | | | | | | | | | | l |
| | 32 | ļ | _ | _ | | $oxed{oxed}$ | _ | L | | <u> </u> | l |
| | 33 | <u> </u> | <u> </u> | _ | <u> </u> | _ | | L | _ | <u> </u> | l |
| | 34 | \vdash | \vdash | | \vdash | <u> </u> | | | <u> </u> | \vdash | ł |
| | 35 | \vdash | \vdash | _ | <u> </u> | - | | | <u> </u> | \vdash | ł |
| | 24 24 25 26 27 28 29 20 31 32 33 34 35 36 37 38 39 40 | \vdash | \vdash | \vdash | \vdash | \vdash | ├ | | _ | <u> </u> | ł |
| | 38 | | - | | - | \vdash | \vdash | \vdash | <u> </u> | \vdash | ł |
| | 30 | \vdash | \vdash | \vdash | | - | \vdash | | \vdash | \vdash | 1 |
| | 40 | \vdash | \vdash | \vdash | \vdash | \vdash | | | - | \vdash | 1 |
| | 41 | \vdash | - | - | | | | | | H | 1 |
| | 42 | | - | _ | - | | | | | \vdash | 1 |
| | 43 | T | | | \vdash | | | | | T | 1 |
| | 44 | | \vdash | _ | | <u> </u> | | | | | 1 |
| | 45 | | | | | <u> </u> | | | | | 1 |
| | 46 | | | | | | | | | | 1 |
| | 47 | | | | | | | | | | |
| | 48 | | | | | | | | | | 1 |
| | 49 | - | | | | | | | | | l |
| | 50 | | | l | | | | | | | ľ |

| Cla | Claim | | | Date | | | | | | | | | |
|----------|----------|--------------|--------------|--|----------|--|----------|----------|--|--------------|--|--|--|
| | | | | | | • | | | | | | | |
| ਲ | Original | | | | | | | | | | | | |
| Final | rig | | | | | | | | | | | | |
| - | 0 | | | | | | | | | | | | |
| - | 51 | \vdash | | | | | | | | - | | | |
| _ | 50 | - | | | _ | | | - | | | | | |
| | 52 53 | | | _ | | _ | | | | | | | |
| <u> </u> | 53 | | | _ | | _ | <u> </u> | _ | | | | | |
| <u> </u> | 54 | | | <u> </u> | | | <u> </u> | | | | | | |
| | 55 | | | _ | | _ | | | | | | | |
| | 56 | | | _ | | _ | | | | | | | |
| | 57 | | | | | | | | | | | | |
| | 58 | | | <u> </u> | | | | , | | L | | | |
| | 59 | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | |
| | 61 | | | | | | | | | | | | |
| | 62 | | | | | | | | | | | | |
| | 63 | | | I^- | | | | | | | | | |
| | 64 | | Т | | П | | | | | | | | |
| | 65 | | - | | Н | | | | \vdash | \vdash | | | |
| — | 66 | H | | \vdash | | - | | | \vdash | \vdash | | | |
| <u> </u> | 67 | \vdash | - | \vdash | \vdash | | | | | - | | | |
| | 68 | | | | \vdash | \vdash | \vdash | | \vdash | <u> </u> | | | |
| - | 00 | | <u> </u> | - | _ | | | | _ | - | | | |
| | 69 70 | | _ | | ┝ | <u> </u> | | | - | _ | | | |
| | 70 | | | | \vdash | L | <u> </u> | _ | - | _ | | | |
| | 71 | | | | _ | | | | ļ | | | | |
| | 72 | | | | ļ | ļ | _ | | | | | | |
| | 73 | | | | <u> </u> | L. | ļ | | _ | | | | |
| | 74 75 | | | | L | L_ | | L | | | | | |
| | 75 | | | | <u> </u> | L | | | | | | | |
| | 76 | | | | L | | | | | _ | | | |
| | 77 | | | | | L | | | | | | | |
| | 77 78 | | | | | | | | | | | | |
| | 79 | | | | | | | | | | | | |
| | 80 | | | | | | | | | | | | |
| | 81 | | _ | | | | | | | | | | |
| | 82 | | | | | | <u> </u> | _ | | | | | |
| - | 83 | | | | _ | | | | | | | | |
| | 84 | | \vdash | | \vdash | \vdash | - | \vdash | | | | | |
| | 85 | \vdash | 1 | | \vdash | \vdash | | \vdash | | | | | |
| | 86 | H | \vdash | | | \vdash | \vdash | | | | | | |
| | 87 | \vdash | | | \vdash | \vdash | \vdash | \vdash | \vdash | | | | |
| | 88 | \vdash | \vdash | - | | | ├─ | | - | ├- | | | |
| | 89 | | \vdash | Ė | \vdash | \vdash | <u> </u> | \vdash | | | | | |
| | | | | | \vdash | \vdash | <u> </u> | \vdash | | <u> </u> | | | |
| | 90 | | | \vdash | \vdash | - | <u> </u> | \vdash | - | | | | |
| | 91 | \vdash | <u> </u> | _ | <u> </u> | | <u> </u> | <u> </u> | | <u> </u> | | | |
| | 92 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | _ | | | |
| | 93 | <u> </u> | | _ | | <u> </u> | <u> </u> | _ | | | | | |
| | 94 | | <u> </u> | _ | | | <u> </u> | _ | | _ | | | |
| | 95 | | | | <u> </u> | | | | | <u>L</u> . | | | |
| | 96 | | | | | L | | | | | | | |
| | 97 | | | | | | | | | | | | |
| | 98 | | | | | | | | | | | | |
| | 99 | | | | | | | Γ | | | | | |
| | 100 | | | | | Г | | | | | | | |
| | | | | | | | | | | | | | |

| Image: Triangle of the control of the contr | Claim | | Date | | | | | | | | | |
|---|--|-----|--|--------------|--|--------------|--|--|--|--|-----------------|--|
| 103 | | | | | | | | | | | | |
| 103 | | | | | | | | | | | | |
| 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 149 149 149 148 149 149 148 149 149 148 149 149 148 149 149 148 149 149 144 145 146 147 148 149 | | 102 | | | | | | | | | Щ | |
| 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 149 149 149 148 149 149 148 149 149 148 149 149 148 149 149 148 149 149 144 145 146 147 148 149 | | 103 | | | · | | | | | | \Box | |
| 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 149 149 149 148 149 149 148 149 149 148 149 149 148 149 149 148 149 149 144 145 146 147 148 149 | | 104 | | | L. | | | | | | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 144 144 145 146 147 148 149 149 | | 105 | | | | | | | | | | |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 144 145 148 149 | | 106 | | | | | L. | | | | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 107 | | _ | | | | | | | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 108 | | | | | | | | | | |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 109 | | | | | | | | | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 110 | | _ | | | | | | | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 111 | | <u> </u> | \vdash | _ | <u> </u> | | | \vdash | $\vdash \vdash$ | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 112 | | ļ | \vdash | <u> </u> | _ | | | | Щ | |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | L | 113 | H | _ | \vdash | _ | \vdash | | <u> </u> | | | |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 114 | \vdash | <u> </u> | \vdash | - | <u> </u> | \vdash | H | <u> </u> | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 115 | <u> </u> | | | _ | \vdash | \vdash | <u> </u> | <u> </u> | Н | |
| 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 110 | \vdash | | H | <u> </u> | | | | | Н | |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 110 | H | - | \vdash | - | | \vdash | <u> </u> | - | | |
| 121 | | 110 | H | | \vdash | \vdash | \vdash | | - | - | - | |
| 121 | | 120 | H | \vdash | ┢ | | | - | <u> </u> | \vdash | \vdash | |
| 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 120 | | \vdash | H | | | | ├ | - | \vdash | |
| 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 122 | | | | | | - | | | | |
| 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 122 | - | | | | _ | | ⊢ | \vdash | Н | |
| 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 124 | | | \vdash | - | | - | \vdash | | \vdash | |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 125 | | \vdash | | <u> </u> | | | - | - | Н | |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 126 | | \vdash | | | | | \vdash | | Н | |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 127 | | | \vdash | | | | | | Н | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 128 | | | | | | Г | | | П | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 129 | | | | | | | | | П | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 130 | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 144 145 146 147 148 149 | | 131 | | | | | | | | | | |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 132 | | | | | | | | | | |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 133 | | | | | ļ | | | | | |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 134 | | | | | | _ | <u> </u> | | L_ | |
| 138 139 140 141 142 143 144 145 146 147 148 149 | | 135 | | _ | <u> </u> | _ | | _ | _ | _ | <u> </u> | |
| 138 139 140 141 142 143 144 145 146 147 148 149 | | 136 | | <u> </u> | _ | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | \vdash | |
| 139 140 141 142 143 144 145 146 147 148 149 | | 137 | <u> </u> | \vdash | - | | _ | \vdash | _ | | Н | |
| 140 141 142 143 144 145 146 147 148 149 | | 138 | \vdash | \vdash | - | - | ├ | \vdash | \vdash | \vdash | Н | |
| 141 142 143 144 145 146 147 148 149 | <u> </u> | 139 | \vdash | \vdash | - | \vdash | \vdash | | - | | H | |
| 142 143 144 145 146 147 148 149 | <u> </u> | | \vdash | \vdash | - | | \vdash | \vdash | \vdash | \vdash | Н | |
| 143 144 145 146 147 148 149 | | | - | \vdash | - | - | \vdash | \vdash | \vdash | \vdash | \vdash | |
| 144 | \vdash | 143 | \vdash | \vdash | \vdash | | \vdash | \vdash | \vdash | | Н | |
| 145 146 147 148 149 | | | | H | | - | H | | \vdash | H | \vdash | |
| 146 | - | 145 | | \vdash | \vdash | | H | \vdash | \vdash | | \vdash | |
| 147 148 149 | - | | | \vdash | | | | | | _ | H | |
| 148 | | | | H | | | | \vdash | † | \vdash | П | |
| 149 | | | | T | | | | | | | П | |
| 150 | | 149 | | | | | Г | · | | | П | |
| | | 150 | | | | | | | | | | |